

10/612,489

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Welcome to STN International! Enter x:x

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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAPplus records now contain indexing from 1907 to the
present
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded
NEWS 5 SEP 29 DISSABS now available on STN
NEWS 6 OCT 10 PCTFULL: Two new display fields added
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABA reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available
in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAPplus
NEWS 14 DEC 17 DGENE: Two new display fields added
NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer
available
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS
databases
NEWS 18 DEC 22 IFIPAT/IFIUDE/IFICDB reloaded with new data and search fields
NEWS 19 DEC 22 ABI-INFORM now available on STN
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated
and searchable
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in
CA/CAPplus
NEWS 22 FEB 05 German (DE) application and patent publication number format
changes

NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

=> fil req

SINCE FILE

TOTAL

ENTRY

SESSION

0.21

0.21

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 FEB 2004 HIGHEST RN 652965-05-4

DICTIONARY FILE UPDATES: 22 FEB 2004 HIGHEST RN 652965-05-4

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

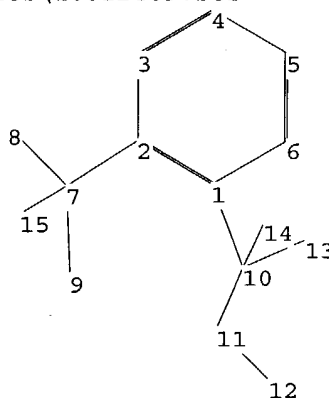
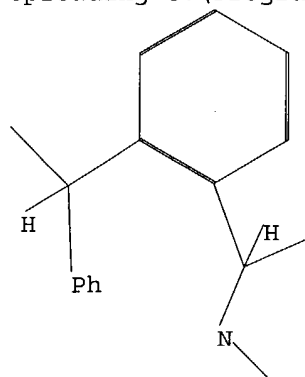
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

$$= \gamma$$

Uploading C:\Program Files\Stnexp\Queries\10612489.str



chain nodes :

7	8	9	10	11	12	13	14	15
---	---	---	----	----	----	----	----	----

ring nodes :

1	2	3	4	5	6
---	---	---	---	---	---

chain bonds :

1-10 2-7 7-8 7-9 7-15 10-11 10-13 10-14 11-12

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

10-11 11-12

exact bonds :

1-10 2-7 7-8 7-9 7-15 10-13 10-14

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

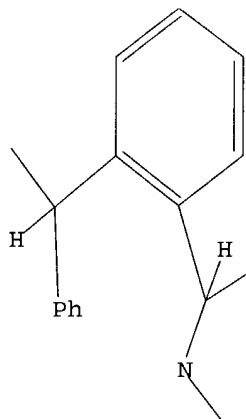
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS

L1 STRUCTURE UPLOADED

=> d query

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 18:20:42 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 27 TO ITERATE

100.0% PROCESSED 27 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 229 TO 851
PROJECTED ANSWERS: 3 TO 163

L2 3 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 18:20:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 430 TO ITERATE

100.0% PROCESSED 430 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

L3 7 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.42	155.63

FILE 'CAPLUS' ENTERED AT 18:20:57 ON 23 FEB 2004
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FILE COVERS 1907 - 23 Feb 2004 VOL 140 ISS 9
FILE LAST UPDATED: 22 Feb 2004 (20040222/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 3 L3

=> d l4 1-3 abs ibib hitstr

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AB High chemical yields are obtained on the addition of the ortho-substituted

enoates, MeOCOCH:CHC6H4R-2 (1, R = CH2OMe, CHMeOMe, CH2NMe2, CHMeNMe2) to Me2CuLi or Ph2CuLi in noncoordinating solvents, CH2Cl2 or toluene. The results underline the strong effect of solvent on reactions between organocuprates and enoates as the corresponding reactions in Et2O

afforded low yields and moderate stereoselectivity. No reaction was observed when THF

was used. The high stereoselectivity observed with the dimethylaminoethyl

substituted enoate 1 (R = CHMeNMe2) in noncoordinating solvents can be accommodated by a mechanistic model for the reaction based on chelation control, within a copper-alkene π -complex.

ACCESSION NUMBER: 1991:514088 CAPLUS

DOCUMENT NUMBER: 115:114088

TITLE: Stereoselective addition of lithium organocuprate, R2CuLi to ortho-substituted methyl cinnamates
AUTHOR(S): Christenson, Beritte; Hallnemo, Gerd; Ullenius, Christina

CORPORATE SOURCE: Dep. Org. Chem., Chalmers Univ. Technol., Goeteborg, 412 96, Swed.

SOURCE: Tetrahedron (1991), 47(26), 4739-52

CODEN: TETRAH; ISSN: 0040-4020

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 115:114088

IT 105590-13-4P 135679-41-3P 135679-42-4P

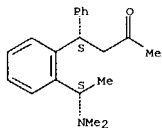
135679-43-5P 135679-44-6P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 105590-13-4 CAPLUS

CN 2-Butanone, 4-[2-[1-(dimethylamino)ethyl]phenyl]-4-phenyl-, [S-(R*,R*)]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

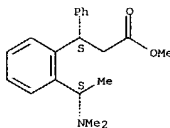


RN 135679-41-3 CAPLUS

CN Benzenepropanoic acid, 2-[1-(dimethylamino)ethyl]- β -phenyl-, methyl ester, [S-(R*,R*)]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

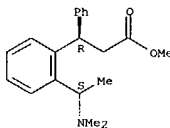
L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 135679-42-4 CAPLUS

CN Benzenepropanoic acid, 2-[1-(dimethylamino)ethyl]- β -phenyl-, methyl ester, [S-(R*,S*)]-(9CI) (CA INDEX NAME)

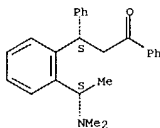
Absolute stereochemistry.



RN 135679-43-5 CAPLUS

CN 1-Propanone, 3-[2-[1-(dimethylamino)ethyl]phenyl]-1,3-diphenyl-, [S-(R*,R*)]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

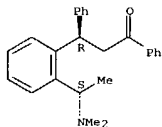


RN 135679-44-6 CAPLUS

CN 1-Propanone, 3-[2-[1-(dimethylamino)ethyl]phenyl]-1,3-diphenyl-, [S-(R*,S*)]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AB Conjugate addition of the chiral Li

[(S)-2-(1-(dimethylamino)ethyl)phenyl](2-thienyl)cuprate to (E)-4-phenyl-3-buten-2-one, 2-cyclohexenone or 2-cyclopentenone gave with high diastereoselectivity (S,S)-4-[2-[1-(dimethylamino)ethyl]phenyl]-4-phenyl-2-butenone, (S,S)-3-[2-[1-(dimethylamino)ethyl]phenyl]-2-cyclohexanone, and (S,S)-1-[3-oxocyclopentyl]phenyl]ethyltrimethylammonium iodide. The (S,S)-configuration observed in the adducts indicated that the conjugate addition gave the least crowded Li enolate as the major product.

ACCESSION NUMBER: 1987:32467 CAPLUS

DOCUMENT NUMBER: 106:32467

TITLE: Steric consequence of the diastereoselective addition of chiral lithium 2-[1-(dimethylamino)ethyl]phenyl cuprates to some enones

AUTHOR(S): Andersson, Staffan; Jagner, Susan; Nilsson, Martin; Urso, Fabio

CORPORATE SOURCE: Dep. Inorg. Chem., Chalmers Univ. Technol., Goeteborg, S-412 96, Swed.

SOURCE: Journal of Organometallic Chemistry (1986), 301(2), 257-67

CODEN: JORCAI; ISSN: 0022-328X

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 106:32467

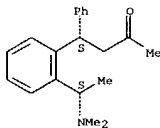
IT 105590-13-4

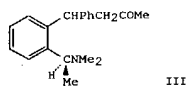
RL: RCT (Reactant); RACT (Reactant or reagent) (preparation crystal structure of)

RN 105590-13-4 CAPLUS

CN 2-Butanone, 4-[2-[1-(dimethylamino)ethyl]phenyl]-4-phenyl-, [S-(R*,R*)]-(9CI) (CA INDEX NAME)

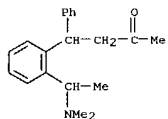
Absolute stereochemistry.



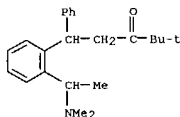


AB The diastereoselective conjugate addition reactions are reported of Li bis[S-2-(1-dimethylaminoethyl)phenyl]cuprate and Li [S-2-(1-dimethylaminoethyl)phenyl](2-thienyl)cuprate (I) with 2-cyclohexen-1-one and E-RCH:CHCOR1 [R = R1 = Me; R = Ph, R1 = Me (II), CMe3]. E.g., reaction of I with II in Et2O at 0° gave 44% of the amino ketone III in a diastereomeric excess of ≥98%.

ACCESSION NUMBER: 1983:71593 CAPLUS
DOCUMENT NUMBER: 98:71593
TITLE: Stereoselectivity in the transfer of the 2-(1-dimethylaminoethyl)phenyl group, R*, from LiR*2Cu and Li(R*) (2-thienyl)Cu to enones
AUTHOR(S): Malmberg, Hans; Nilsson, Martin; Ullenius, Christina
CORPORATE SOURCE: Dep. Org. Chem., Chalmers Univ. Technol., Goeteborg, S-412 96, Swed.
SOURCE: Tetrahedron Letters (1982), 23(37), 3823-6
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 84450-99-7P 84451-00-3P
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
RN 84450-99-7 CAPLUS
CN 2-Butanone, 4-[2-[1-(dimethylamino)ethyl]phenyl]-4-phenyl- (9CI) (CA INDEX NAME)



RN 84451-00-3 CAPLUS
CN 3-Pentanone, 1-[2-[1-(dimethylamino)ethyl]phenyl]-4,4-dimethyl-1-phenyl- (9CI) (CA INDEX NAME)



=> logoff y
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
16.90	172.53

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.08	-2.08

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STN INTERNATIONAL LOGOFF AT 18:24:47 ON 23 FEB 2004